Part II

Section 2

CUSTOMS PROPRIETARY TRANSPORTATION RECORD FORMATS FOR AES

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CUSTOMS PROPRIETARY TRANSPORTATION FORMATS

Transportation Data for Customs Proprietary Format

Authorized users of the Customs Proprietary Transportation record format are Carriers, NVOCCs, Service Centers, and Port Authorities.

Each data set must include a *Transaction Control Header Record* (ACR) and a *Transaction Control Trailer Record* (ZCR). The Transaction Control Header Record identifies the participant, denotes the beginning of a file, and specifies the detail data to follow. The Transaction Control Trailer Record is paired with the Transaction Control Header and signals the end of the transaction file. Participants can receive or send more than one transaction file during a communications session.

There are four AES input, and three output applications. In addition to the task, the Application Identifier also specifies the type of data to be processed. The Application Identifier is part of the ACR record. The following is a list of AES Application ID codes:

Application ID	Description
EB	Booking data and Amendment - input to Customs
EI	Receipt of Booking data - input to Customs
HI	Vessel Departure data - input to Customs
XI	Manifest data and Amendment - input to Customs
ER	Acceptance/Rejection Message - Customs output in response to input of EB & EI
HR	Acceptance/Rejection Message - Customs output in response to input of HI
XR	Manifest/Amendment response - Customs output in response to input of XI
NC	Status notifications - output initiated by Customs

SAMPLES of the various Record Sets are included here for information as the following figures:

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Figure 1: Sample Export Booking Data Record Set
Application ID = EB

Record	Description	Status
ACR	Transaction Control Header	M
M01	Manifest record	M
P01	Port record	M
J01	Issuer code record	M
B02	Booking/House Data record	M
B03	Booking/house data (cont.)	M
N01	Party Type/Name record	M
N02	Party Address/Phone record	C
N03	Party City/State/Country record	C
D01	Bill Cargo Description record	M
C02	Vehicle VIN record	O
ZCR	Transaction Control Trailer	M

Figure 2: Sample Export Booking *Amendment* Record Set
Application ID = EB

Record	Description	Status
ACR	Transaction Control Header	M
M01	Manifest record	M
P01	Port record	M
J01	Issuer code record	M
A01	Amendment record	M
B02 thru C02	Records, *if adding a booking record*	C
ZCR	Transaction Control Trailer	M

Figure 3: Sample Record Set for Receipt of Booking Data
Application ID = EI

Record	Description	Status
ACR	Transaction Control Header	M
M01	Manifest record	M
P01	Port record	M
J01	Issuer record	M
B02	Booking Data Record	M
ZCR	Transaction Control Trailer	M

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Figure 4: Sample Record Set for Vessel Departure		
Application ID = HI		
Record	Description	Status
ACR	Transaction Control Header	M
M01	Manifest record	M
P01	Port record	M
H01	Vessel Departure	M
ZCR	Transaction Control Trailer	M

Figure 5: Sample Export Manifest Record Set		
Application ID = XI		
Record	Description	Status
ACR	Transaction Control Header	M
M01	Manifest record	M
P01	Port record	M
J01	Issuer code record	M
B01	Bill of Lading record	M
B02	Booking Data record	M
N01	Party Type/name Record	M
N02	Party Address/Phone record	C
N03	Party City/State/Country record	C
C01	Bill Container record	M
D01	Bill Cargo Description record	M
C02	Vehicle VIN record	O
D02	Marks and Numbers record	O
V01 thru V03	Hazardous Material record	O
ZCR	Transaction Control Trailer	M

Figure 6: Sample Record Set for *Amending* Export Manifest Data		
Application ID = XI		
Record	Description	Status
ACR	Transaction Control Header	M
M01	Manifest record	M
P01	Port record	M
J01	Issuer record	M
A01	Amendment record	M
B01 thru V03	Bill records, *if adding a bill*	C
ZCR	Transaction Control Trailer	M

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Figure 7: Sample Customs Response Message	
Record	Description
ACR	Transaction Control Header
M01	Manifest record
P01	Port record
J01	Issuer record
B01	Bill record
B02	Booking Data record
W01	Error Message record
W02	Summary record
ZCR	Transaction Control Trailer

Figure 8: Sample Customs Manifest Status Notification	
Record	Description
ACR	Transaction Control Header
M01	Manifest record
R01	Notification Header record
J01	Issuer record
R02	Notification Information record
R03	Remarks record
ZCR	Transaction Control Trailer

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AES users may receive or send more than one transaction file during a transmission session. Figure 9 provides a sample multiple transaction record set.

Figure 9: Sample Multiple Manifest Transaction Set
Application type XI

	Record	Description
	ACR	Transaction Control Header
	M01	Manifest record
*	P01	Port record
	J01	Issuer Code record
	B01	Bill of Lading Record
	B02	Booking Data record
	N01	Party Type/name Record
	C01	Container record
	D01	Cargo Description record
	B01	Bill of Lading record
	B02	Booking Data record
	N01	Party Type/Name record
	C01	Container record
	D01	Cargo Description record
**	P01	Port record
	J01	Issuer Code record
	B01	Bill of Lading record
	B02	Booking Data record
	B02	Booking Data record
	N01	Party Type/Name record
	C01	Container record
	D01	Cargo Description record
***	M01	Manifest record
	P01	Port record
	J01	Issuer Code record
	B01	Bill of Lading record
	B02	Booking Data record
	N01	Party Type/Name record
	C01	Container record
	D01	Cargo Description record
	ZCR	Transaction Control Trailer

*	= First port for a single manifest
**	= Second port for the same manifest
***	= Second manifest

CUSTOMS PROPRIETARY TRANSPORTATION FORMATS

Record Descriptions
Transportation data for Customs Proprietary record formats follow.

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Record Identifier (ACR)

Record ACR signals the beginning of a transaction file and it is used for both input and output.

The date, time, and batch number data elements are mandatory on output from Customs to the AES participant(s).

Identifier (ACR) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Control Identifier	3 A	1-3	M	Must always equal ACR.	
User Code	4 AN	4-7	M	The SCAC code representing the transmitter ID as a carrier or service center.	
Password	6 AN	8-13	M	A code representing the password agreed upon between Customs and the participant.	
Application Identifier	2 A	14-15	M	A code representing the type of application detail data contained within the block.	1
Date	8 N	16-23	C	A date in YYYYMMDD(year, month, day) format representing the date of processing.	2
Time	6 N	24-29	C	A time in HHMMSS (hours, minutes, seconds) format representing the time of processing.	2
Batch Number	5 N	30-34	C	A Customs generated code used in conjunction with the date of transmission to uniquely identify a user transmission.	2
Filler	46 AN	35-80	M	Space fill.	

Record ACR Notes:

    1. Valid Application Identifier Codes are:

INPUT To CUSTOMS	**OUTPUT From CUSTOMS**
EB – Export Booking Data input to Customs	ER – Booking/ROB Create Transmission Response
EI – Receipt of Booking	XR – Manifest Amendment Response
HI – Vessel Departure	HR – Vessel Departure Response
XI – Manifest Create / Manifest Amendment	

OUTPUT Initiated by CUSTOMS

NC – Status Notification

2. This data element is returned to the participant in output transaction control records.

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Manifest (M01) Record

Record M01 is a <u>mandatory</u> record used to transmit vessel, total number of bills and specific manifest data. This record can be repeated up to 99 times per ACR record.

Manifest (M01) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Data Identifier	3 AN	1-3	M	Must always equal M01.	
Carrier Code	4 AN	4-7	M	A code representing the importing/exporting carrier. This is the Standard Carrier Alpha Code (SCAC) issued by the National Motor Freight Traffic Association Inc., 2200 Mill Road, Alexandria, VA 22310. For water carriers who own their containers, the SCAC is issued by the Intermodal Transportation Association, 6410 Kenilworth Ave., Suite 108, Riverdale, MD 20737.	
Mode of Transportation Code	2 N	8-9	M	A code indicating the type of vessel used to carry the manifested cargo. Required for input to Customs. Valid codes are: 10 = Vessel, non-container or unable to determine if container. (Including Lightered, Land Bridge and LASH.) 11 = Vessel Containerized (Container)	
Vessel Country Code	2 A	10-11	M	An International Standards Organization (ISO) code representing the flag of the vessel. Required for input to Customs.	
Vessel Name	23 X	12-34	C	A valid vessel name. Mandatory if missing Vessel Code (positions 51-57).	
Voyage Number	5 X	35-39	M	The voyage number. Required for input to Customs. If not known, send Julian date.	
Number of Bookings or Bills of Lading	5 N	40-44	M	A value representing the total number of bookings or bills of lading for all U.S. Customs Ports of lading or unlading on the manifest. This is a mandatory data element for transmissions to Customs. It is not used in transmissions from Customs.	

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Data Element	Length/ Class	Posi- tion	Status	Description	Note
Manifest (M01) Record					
Manifest Sequence Number	6 N	45-50	O	Optional, carrier assigned sequence number. The default is one (1). It may be a date. *Once transmitted, it cannot be changed.* All subsequent transmissions for the manifest must use the original manifest sequence number.	
Conveyance Code	7 AN	51-57	C	The Lloyds of London registry code representing the exporting conveyance. This code is <u>mandatory</u> if Vessel Name is not entered in positions 12-34.	
Filler	23 AN	58-80	M	Space fill.	

Notes:

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Port (P01) Record

Record P01 is a <u>mandatory</u> record used to transmit data pertaining to a US Customs Port associated with the manifest.

This record can be repeated up to 20 times per M01 record.

Port (P01) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Data Identifier	3 AN	1-3	M	Must always equal P01.	
U.S. Customs Port of Lading Code	4 AN	4-7	M	A code representing the U.S. Customs Port of Lading. (See Appendix D for a listing of valid codes)	1
Original Estimated Date	8 N	8-15	M	A date in the MMDDYYYY format representing the *original scheduled date of departure* from (for exports) or arrival at (for imports) this port.	
Number of Bookings or Bills of Lading for Port	5 N	16-20	M	A value representing the total number of bookings (EB); bills of lading (XI) or vessels (HI) departing from this Port.	
Filler	60 AN	21-80	M	Space fill.	

Record P01 Notes:
    1. Booking data element update is required if changed in carrier booking system.

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Issuer Code (J01) Record

Record J01is a <u>mandatory</u> record used to transmit data pertaining to the issuer of the booking, bill(s) of lading, and/
or house bills.

This record is transmitted only once within a manifest transmission for each different issuer.

This record can be repeated up to 9999 times per P01 record.

Issuer Code (J01) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Data Identifier	3 AN	1-3	M	Must always equal J01.	
Carrier Master Booking/Bill of Lading Issuer Code	4 AN	4-7	M	A SCAC code of the issuer of the booking or bill(s) of lading. The actual booking or bill of lading number is a combination of this data field and the ensuing B02/B01 record Control Number data field.	
NVOCC House Booking Issuer Code	4 AN	8-11	C	A SCAC code of the issuing NVOCC house Booking(s)control number. The actual booking number is a combination of this data field and the ensuing B02 record Control Number data field.	1
Filler	69 AN	12-80	M	Space fill.	

Record J01 Notes:
   1.   This field is required, when in the B02 record qualifiers field, B or HB is used.

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Bill of Lading Transaction (B01) Record

Record B01is a <u>mandatory</u> record used to transmit manifest and bill of lading data used with the application identifier XI (Manifest Create/Manifest Amendment).

This record can be repeated up to 9999 times per P01 record.

Bill of Lading Transaction (B01) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Data Identifier	3 AN	1-3	M	Must always equal B01.	
Bill of Lading Control Number	12 X	4-15	M	A code representing the *issuer-assigned sequence number that identifies the shipment*. The sequence number must be unique for the issuer (not to be repeated within three years). <u>Do not include issuer code</u> as it is contained in the preceding J01 record.	
Foreign Port	5 N	16-20	M	A code representing the foreign port in which imported cargo was laden or in which exported cargo is to be unladen. For listing of valid codes, contact the Maritime Administration.	1
Manifest Quantity	10 N	21-30	M	A value representing the total number of pieces on the bill of lading (e.g., if there are 10 ctns and 10 bales on one bill of lading, insert the number 20 in this field). *Use the smallest exterior package unit.* Piece count units are given in the D01 record. The total number of D01 piece counts for the bill must equal the Manifest Quantity. The value must be greater than zero.	
Manifest Units	5 A	31-35	M	A code representing the manifest unit of measure, such as CTNS. If the unit is more than five characters, truncate the excess.	
Weight	10 N	36-45	M	A value representing the gross weight in pounds or kilograms. Input only whole numbers, no decimals or fractions. The value must be greater than zero.	
Weight Unit	2 A	46-47	M	A code representing the unit of measure for the Weight value in the previous field. Valid codes are: LB = Pounds KG = Kilograms	

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Bill of Lading Transaction (B01) Record

Data Element	Length/ Class	Posi- tion	Status	Description	Note
Export Information Code	2 AN	48-49	O	Code indicating why shipment does not require export transaction data. For listing of valid codes, see AESTIR Part III, Appendices E.	2
SED Flag	1 A	50	O	Y or N code to indicate that a paper SED was received by the carrier prior to the vessel departure.	2
Filler	30 AN	51-80	M	Space fill.	

Record B01
Notes: 1. The Maritime Administration (MarAD), Department of Transportation has responsibility for maintaining Schedule K. The MarAD web site address is:
http://marad.dot.gov/statistics
If you are unable to locate a foreign port code in Schedule K, have questions about a foreign port name or wish to request a printed version of Schedule K, please contact the Office of Statistical & Economic Analysis, MarAD at (202)493-0376 or via the Internet at: DATA@marad.dot.gov

  2. This data field is Mandatory for participants of the Export Sea Carrier Agreement.

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Booking Data Transaction (B02) Record

This is a mandatory record used to transmit booking data in EB, EI, & XI applications, and house bill data in XI application.

This record can be repeated up to 9999 times per P01 record, in EI and XI applications.

Booking Data Transaction (B02) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Data Identifier	3 AN	1-3	M	Must always equal B02.	

Control Number Status Indicator	1 X	4	M	A code representing the status of the Booking or House Bill of Lading.
				
				Valid codes are:
				     0 or Blank = Regular Bill
				     1 = Space Charter
				     2 = Regular Consolidated
				     3 = Space Charter and Consolidated	

Qualifiers	2 AN	5-6	M	MB = Master Booking Number HB = For Future Use B = For Future Use SH = For Future Use	
Control Number	30 X	7-36	M	The number representing the *issuer-assigned control number that identifies the booking or house bill.* The control number must be unique by vessel voyage. Do not include issuer code as it is contained in the preceding J01 record. Qualifier field must be used with control number.	
Destination Country	2 A	37-38	C	The ISO code representing the foreign country where the carriers responsibility for the shipment ends. For listing of valid codes, use AESTIR Part III, Appendix C.	1,2
Foreign Port	5 N	39-43	C	A code representing the foreign port in which imported cargo was laden or in which exported cargo is to be unladen. For listing of valid codes, contact the Maritime Administration.	1,2

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Booking Data Transaction (B02) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Booking Quantity	10 N	44-53	C	A value representing the total number of pieces on the booking (e.g., if there are 10 ctns and 10 bales on one bill of lading, insert the number 20 in this field). *Use the smallest exterior package unit.* Piece count units are given in the D01 record. The total number of D01 piece counts for the record must equal the Booking/Bill Quantity. The value must be greater than zero.	1
Quantity Units	5 A	54-58	C	A code representing the booking unit of measure, such as CTNS. If the unit is more than five characters, truncate the excess.	1
Booking Weight	10 N	59-68	C	A value representing the gross weight in *pounds* or *kilograms.* Input only whole numbers; no decimals or fractions. The value must be greater than zero.	1
Weight Unit	2 A	69-70	C	A code representing the unit of measure for the Weight value in the previous field. Valid codes are: LB = Pounds KG = Kilograms	1
Number of Containers	4 N	71-74	C	A numeric count as to the number of containers required for this booking.	1
Type Of Service	2 AN	75-76	O	Code specifying extent of transportation service requested. See AESTIR Part III, Appendix G for list of type of service codes.	1
Hazmat Flag	1 A	77	O	A **Y** (yes) or **N** (no) indicator that the cargo in this booking is potentially hazardous.	1, 2
Filler	3 AN	78-80	M	Space fill.	

Record B02 Notes:
   1. These fields not required in applications types EI and XI.

   2. Booking data element update is required if changed in carrier booking system.

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Booking Data Transaction (B03) Record

This is a Mandatory record used to transmit booking data in EB application.
This record is not required in the XI application.

Booking Data Transaction (B03) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Data Identifier	3 AN	1-3	M	Must always equal B03.	
Container Equipment Length	5 N	4-8	M	Length (in feet and inches) of the container.	
Container/ Equipment Type	4 AN	9-12	M	Code identifying the equipment type. For listing of valid codes, see AESTIR Part III, Appendix P.	
City Name for Place of Receipt	25 AN	13-37	O	A valid City name for Place of Receipt by carrier. When this field is used, the State field is also required.	
State	2 A	38-39	C	U.S. State abbreviation. Required with Place of Receipt.	
Filler	41 AN	40-80	M	Space fill.	

Notes:

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Party Profile Type/Name (N01) Record

This is a mandatory record used to transmit a party identification. This record is used to report party profile information. Party ID Number, Party ID Type and Party Type are the only fields required if the Party already exists in AES.

Party ID/Name (N01) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Data Identifier	3 AN	1-3	M	Must always equal N01.	
Party ID Number	11 N	4-14	C	Provide the DUNS, SSN, EIN, or Other Carrier Unique Identifier.	2
Party ID Type	1 A	15	C	Type of ID reported above. D = DUNS; S = SSN; E = EIN; O = Other	2
Party Type	2 A	16-17	M	A code identifying the type of party in the Booking or Bill. Valid codes are: SH = Shipper CN = Consignee UC = Ultimate Consignee IC = Intermediate Consignee CC = Carrier Customer	1
Party Name	30 AN	18-47	C	Company Name. In both the EB and XI applications, required for Shipper, Carrier Customer, Consignee, Ultimate Consignee and Intermediate Consignee if Party ID Number and Party ID Type do not exist in AES or are not provided.	

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Party ID/Name (N01) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Contact First Name	13 A	48-60	C	Contact Party's First Name or Title. For EB applications, required for Shipper or Carrier Customer if the Party ID Number and Party ID Type do not exist in AES or are not provided. Optional for Consignee, Ultimate Consignee and Intermediate Consignee. For XI applications, required for Shipper, Carrier Customer, Consignee, Ultimate Consignee and Intermediate Consignee if the Party ID Number and the Party ID Type do not exist in AES or are not provided.	
Contact Last Name	20 A	61-80	C	Contact Party's Last Name or Department Name. For EB applications, required for Shipper or Carrier Customer if the Party ID Number and the Party ID Type do not exist in AES or are not provided. Optional for Consignee, Ultimate Consignee and Intermediate Consignee. For XI applications, required for Shipper, Carrier Customer, Consignee, Ultimate Consignee and Intermediate Consignee if the Party ID Number and the Party ID Type do not exist on AES or are not provided.	

Record N01 Notes:

1. For the EB application, the Shipper (SH) party information must be provided. For the XI application, the Shipper and either the Consignee (CN) or the Ultimate Consignee (UC) must be provided.
For both applications, if the Carrier Customer's (CC) name or address or phone number is not the same as the Shipper's name or address or phone number, then the Carrier Customer party information must be provided. The filer may provide other party information in any combination.

2. Party ID Number and Party ID Type are conditional fields, if one is provided then the other must be provided.

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Party Profile Address/Phone (N02) Record

This is a conditional record used to transmit lines one and two of the Party's address, and the phone number of the party.

Party Address / Telephone (N02) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Data Identifier	3 AN	1-3	M	Must always equal N02.	
Address Line 1	32 AN	4-35	C	Mailing Address Line 1. For both EB and XI applications, required for Shipper, Carrier Customer, Consignee, Ultimate Consignee and Intermediate Consignee if the Party ID Number and the Party ID Type do not exist in AES or are not provided.	
Address Line 2	32 AN	36-67	O	Additional Address Line 2	
Contact Phone	11 AN	68-78	C	Contact Party's Phone. For 1-800 numbers provide 11 numbers without spaces or dashes. For other numbers, provide 10 numbers without spaces or dashes. Left justify. For EB applications, required for Shipper or Carrier Customer if the Party ID Number and the Party ID Type do not exist in AES or are not provided. Optional for Consignee, Ultimate Consignee and Intermediate Consignee. For XI Applications, required for Shipper, Carrier Customer, Consignee, Ultimate Consignee and Intermediate Consignee if the Party ID Number and the Party ID Type do not exist in AES or are not provided.	
Filler	2 AN	79-80	M	Space fill.	

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Party Profile City/State/Country (N03) Record

This is a conditional record used to transmit the City, State, Country, and Postal Code of the party.

Party City / State / Country (N03) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Data Identifier	3 AN	1-3	M	Must always equal N03.	
City	25 AN	4-28	C	Mailing City. For both EB and XI applications, required for Shipper, Carrier Customer, Consignee, Ultimate Consignee and Intermediate Consignee if the Party ID Number and Party ID Type do not exist in AES or are not provided.	
State	20 AN	29-48	C	U.S. State abbreviation or foreign state name. For EB applications, required for Shipper or Carrier Customer if the Party ID Number and the Party ID Type do not exist in AES or are not provided. Optional for Consignee, Ultimate Consignee and Intermediate Consignee. For XI applications, required for Shipper, Carrier Customer, Consignee and Ultimate Consignee if the Party ID Number and the Party ID Type do not exist in AES or are not provided. Optional for Intermediate Consignee. For both EB and XI applications, for Shipper and Carrier Customer, STATE must be a valid U.S. state code.	
Country	2 AN	49-50	C	ISO Country code. For both EB and XI applications, required for Shipper, Carrier Customer, Consignee, Ultimate Consignee and Intermediate Consignee if the Party ID Number and the Party ID Type do not exist in AES or are not provided. For both EB and XI applications, for Shipper and Carrier Customer, COUNTRY code must be 'US'. For both EB and XI applications, for Consignee, Ultimate Consignee or Intermediate Consignee, the COUNTRY code must be a valid ISO country code.	

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Party City / State / Country (N03) Record					
Data Element	Length/ Class	Posi-tion	Status	Description	Note
Postal Code	9 AN	51-59	C	Zip Code. For EB applications, required for Shipper or Carrier Customer if the Party ID Number and the Party ID Type do not exist in AES or are not provided. Optional for Consignee, Ultimate Consignee and Intermediate Consignee. For XI applications, required for Shipper, Carrier Customer, Consignee, Ultimate Consignee if the Party ID Number and the Party ID Type do no exist in AES or are not provided. Optional for the Intermediate Consignee.	
Filler	21 AN	60-80	M	Space fill	

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Bill Container (C01) Record

This is a mandatory record used to transmit the container number and seal numbers associated with a bill of lading. Transmit as many C01 records as necessary to account for all the containers on the bill. Quantities for each container are calculated from the Description (D01) record.

Bill Container (C01) Record					
Data Element	Length/ Class	Posi- tion	Stat us	Description	Note
Data Identifier	3 AN	1-3	M	Must always equal C01.	
Container SCAC	4 AN	4-7	M	SCAC of container. Indicate NC here for non-containerized freight.	1
Container No.	10 AN	8-17	C	A valid container number. This number must be the same as that physically appearing on the container. Do not include the SCAC.	1
Seal Number 1	15 AN	18-32	O	A valid exporter/carrier seal number associated with the container.	1
Seal Number 2	15 AN	33-47	O	A valid exporter/carrier seal number associated with the container.	1
Container Equipment Length	5 N	48-52	C	Length (in feet and inches) of the container.	1
Container/ Equipment Type	4 AN	53-56	C	Code identifying the equipment type. See AESTIR Part III, Appendix P for a list of codes.	1
Load/Empty Status Code	1 A	57	O	Code which specifies the loaded condition of the transportation equipment. Future Use	2
Type Of Service	2 AN	58-59	O	Code specifying extent of transportation service requested. See AESTIR Part III, Appendix G for a list of valid type of service codes.	1
Filler	21 AN	60-80	M	Space fill.	

Record C01 Notes:

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1. In Application type XI this field is required.
2. Load/Empty Status Codes: E = Empty   L = Loaded   T = Total

Bill Container (C02) Record

This is an optional record used to report vehicle identification numbers (VINs) of vehicles known at time of booking.
- *For pre-departure* the C02 will be associated with the description (D01) record. This record can be repeated up to 999 times.
- *For post-departure* the C02 must be associated with a specific container recorded in the C01.
  This record can be repeated up to 999 times per D01 record.

Bill Container (C02) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Data Identifier	3 AN	1-3	M	Must always equal C02.	
VIN	25 AN	4-28	M	The unique vehicle identification number stamped on a vehicle by the manufacturer.	1
Filler	52 AN	29-80	M	Space fill.	

Record C02 Notes:
1.   Booking data element update is required if changed in carrier booking system.

CUSTOMS PROPRIETARY TRANSPORTATION FORMATS

Bill Cargo Description (D01) Record

This is a mandatory record used to transmit the description of cargo for full manifest and booking data. If transmitting Receipt of Goods data, this record is optional.

For post -departure, this record may be repeated up to 999 times per Bill Container (C01) record.

For Pre-departure Booking, only one occurrence of this record accepted per B02 record.

Bill Cargo Description (D01) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Data Identifier	3 AN	1-3	M	Must always equal D01.	
Line Number	3 N	4-6	M	Line identifier for each line of description.	
Piece Count	10 N	7-16	C	A value representing the total number of pieces in the container being described if there is only one description record for a container. Required for the first record. *This is the number of the smallest exterior package units*. [A carton, box, bag or crate are examples of smallest exterior packaging; a pallet and container are not.]	
Description	45 X	17-61	M	A description of the cargo. Multiple description lines may be used for one container record. Every D01 record must have data in the Description field.	1
Filler	19 AN	62-80	M	Space fill.	

Record D01 Notes:
    1. Booking data element update is required if changed in carrier booking system.

CUSTOMS PROPRIETARY TRANSPORTATION FORMATS

Marks and Numbers (D02) Record

This is an optional record used to specify information regarding marks and numbers. Diagrams, drawings, figures and other representations appearing on packaging may be described in writing.

By capturing marks and numbers data, Customs seeks to incorporate in an automated environment information that is already made mandatory in the Customs manifest by Part 4 of the Customs Regulations. Users will provide full and complete manifest marks and numbers information.

There may be 999 D02 records per container per bill of lading.

Marks and Numbers (D02) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Data Identifier	3 AN	1-3	M	Must always equal D02.	
Marks and Numbers	45 AN	4-48	M	The written description of the symbols and markings that are on the outside of the packaging.	
Filler	32 AN	49-80	M	Space fill.	

NOTES:

CUSTOMS PROPRIETARY TRANSPORTATION FORMATS

Hazardous Material (V01) Record

This is an optional record used to specify information relative to hazardous materials as they are defined in Title 49 CFR for ocean and intermodal manifests.

Hazardous Material (V01) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Data Identifier	3 AN	1-3	M	Must always equal V01.	
Hazardous Material Code	10 N	4-13	M	The Standard Transportation Commodity Code (STCC- published by the Association of American Railroads) assigned to the hazardous material.	
Hazardous Material Class	4 X	14-17	O	A code representing the hazardous class or division designated for the material in the IMDG code .49 CFR172.	
Hazardous Material Code Qualifier	1 X	18	O	Always "I" For International Maritime Organization (IMO) code.	
Hazardous Material Description	30 AN	19-48	O	The proper shipping name of the material designated as hazardous.	
Hazardous Material Contact	24 AN	49-72	O	The name and/or phone number of the person or department to contact in case of an emergency.	
UN Hazardous Material Page	6 AN	73-78	O	The page number in the IMDG code in which the hazardous material identification appears.	
Filler	2 AN	79-80	M	Space fill.	

NOTES:

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CUSTOMS PROPRIETARY TRANSPORTATION FORMATS

Hazardous Material (V02) Record

This is an optional record used to specify information relative to hazardous materials as they are defined in Title 49 CFR for ocean and intermodal manifests. If there is a V02 record there must be a V01 record.

Hazardous Material (V02) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Data Identifier	3 AN	1-3	M	Must always equal V02.	
Flash-point Temperature	3 N	4-6	M	The lowest temperature at which the vapor of a hazardous combustible liquid will ignite in the air.	
Unit of Measure Code	2 A	7-8	M	A code representing the basic unit of measurement (UOM) for the flash-point temperature. Always: CE = Degrees Centigrade/Celsius	
Negative Indicator	1 A	9	M	A code of "N" is used when the flash-point temperature is negative or less than 0 degrees Centigrade/Celsius. Otherwise space fill.	
Filler	71 AN	10-80	M	Space fill.	

NOTES:

CUSTOMS PROPRIETARY TRANSPORTATION FORMATS

Hazardous Material (V03) Record

This is an optional record used to specify free-form descriptive data about hazardous materials in addition the information supplied using records V01 or V02.

Hazardous Material (V03) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Data Identifier	3 AN	1-3	M	Must always equal V03.	
Hazardous Material Description	30 AN	4-33	O	Material name, special instructions and/or phone number, if any.	
Hazardous Material Classification	30 AN	34-63	O	Free form description of hazardous material classification or division or label requirements.	
Filler	17 AN	64-80	M	Space fill.	

NOTES:

CUSTOMS PROPRIETARY TRANSPORTATION FORMATS

Transaction Control Trailer (ZCR) Record

This is a mandatory record used to signal the end of a transaction file. It is used for both input and output.

Transaction Control Trailer (ZCR) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Data Identifier	3 A	1-3	M	Must always equal ZCR.	
User Code	4 AN	4-7	M	A SCAC code representing the Transmitter ID as a carrier or service center. (must match the User Code reported in the ACR record.)	
Number of Transaction Detail Records	5 N	8-12	M	A value representing the total number of records transmitted.	
Filler	68 AN	13-80	M	Space fill.	

NOTES:

Amending Export Manifest Record Data Set

```
Transaction Control Header .......................................................................... ACR
        Manifest .......................................................................... M01
        Port.................................................................................. P01
        Issuer............................................................................... J01
        Amendment ................................................................. A01*
Transaction Control Trailer .......................................................... ZCR
```

* Use B01 through D02 records if adding a bill.

CUSTOMS PROPRIETARY TRANSPORTATION FORMATS

Amendment (A01) Record

This is a conditional record used to identify the type of booking or manifest amendment being transmitted. It enables an AMS or AES participant to amend the manifest quantity or add or delete a bill of lading.

Amendment (A01) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Data Identifier	3 AN	1-3	M	Must always equal A01.	
Carrier Code	4 AN	4-7	M	A code representing the importing/exporting carrier. This is the Standard Carrier Alpha Code (SCAC) issued by the National Motor Freight Traffic Association Inc., 2200 Mill Road, Alexandria, VA 22310. For water carriers who own their containers, the SCAC is issued by the Intermodal Transportation Association, 6410 Kenilworth Ave., Suite 108, Riverdale, MD 20737.	
U.S. Customs Port	4 N	8-11	M	A code representing the U.S. Customs Port of lading/unlading. See Appendix D, Schedule D.	
Action Code	1 A	12	M	A code representing the type of manifest amendment. Valid Codes are: A = Add a Booking or Bill of Lading D = Delete a Booking or Bill of Lading	1
Bill of Lading Number	12 X	13-24	C	A code representing the Bill of Lading sequence number. Do not include the issuer code as it is contained in the preceding J01 record.	2
Control Number	30 X	25-54	C	The number representing the *issuer-assigned control number that identifies the booking or house bill.* The control number must be unique by vessel voyage. Do not include issuer code as it is contained in the preceding J01 record. Qualifier field must be used with control number.	3

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CUSTOMS PROPRIETARY TRANSPORTATION FORMATS

Amendment (A01) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Qualifier	1-2 AN	55-56	C	MB = Master Booking Number HB = House Booking Number B = House Bill of Lading Number SH = XTN (Commodity control Number)	3
Filler	24 AN	57-80	M	Space fill.	

Record A01 Notes:

1. If the ACTION CODE equals '**A**':

    * The new Bill of Lading/House Bill will be inserted into the manifest;
    * Transmit all the required Booking or BOL-related (B01 through V03) records for the new record.
    If the ACTION CODE equals '**D**':
    * The indicated Bill will be removed from the original manifest;
    * DO NOT transmit the Booking or BOL-related records (B01 through V03) in the record data set.

2. Bill of lading field mandatory when used with application type XI.

3. Booking Number and Qualifier fields mandatory when used with application type EB.

CUSTOMS PROPRIETARY TRANSPORTATION FORMATS

Vessel Departure Record Data Set

Transaction Control Header .... ACR
    Manifest M01
    Port.. P01
    Arrival/Departure H01
Transaction Control Trailer .... ZCR

MIB/Vessel Arrival or Departure (H01) Record

This is a mandatory record used to transmit vessel arrival and departure data, as well as the arrival and exportation of Master In-Bond items.

Vessel Departure (H01) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Data Identifier	3 AN	1-3	M	Must always equal H01.	
Message Code	1 N	4	M	A code representing the party to be exported or departed. Valid codes for AES are: 8 - Vessel Departure	
Date	8 N	5-12	M	A date in the YYYYMMDD format representing the date of actual export or vessel departure.	
Port of Departure	4 N	13-16	M	A code representing a U.S. Customs Port of Departure. See AESTIR, Part III, Appendix D.	
Time	6 N	17-22	M	Time of day in the HHMMSS format representing the actual time of export or vessel departure.	
Filler	58 AN	23-80	M	Space fill.	

NOTES:

CUSTOMS PROPRIETARY TRANSPORTATION FORMATS

Customs Responses to Record Input

Response to Error-Free EB, EI, HI, and XI Manifest Record Set

Transaction Control Header .... ACR	
Manifest M01	
Port...P01	
Summary W02	
Transaction Control Trailer .... ZCR	

CUSTOMS PROPRIETARY TRANSPORTATION FORMATS

Message Acceptance (W02) Record

This mandatory record is the cumulative result of an import or export data transmission.

Data Element	Length/ Class	Posi- tion	Status	Description	Note
Data Identifier	3 AN	1-3	M	Must always equal W02.	
Carrier Code	4 AN	4-7	M	A code representing the exporting carrier. This is the Standard Carrier Alpha Code (SCAC) issued by the National Motor Freight Traffic Association Inc., 2200 Mill Road, Alexandria, VA 22310. For water carriers who own their containers, the SCAC is issued by the Intermodal Transportation Association, 6410 Kenilworth Ave., Suite 108, Riverdale, MD 20737.	
Date of Transmission	8 N	8-15	M	A date in YYYYMMDD format representing the date that the original transmission to Customs was processed. In most cases the date of processing and the date of transmission will be the same.	
Time of Transmission	6 N	16-21	M	A time in the HHMMSS format representing the time that the original transmission to Customs was processed.	
Total Manifests Read	2 N	22-23	C	A value representing the total number of manifests read on a single transmission.	1
Total Ports Read	3 N	24-26	M	A value representing the total number of ports read on a single transmission.	
Total Bills Read	5 N	27-31	C	A value representing the total number of bills read on a single transmission.	1
Total House Bills Read	5 N	32-36	C	A value representing the total number of house-bills read on a single transmission (future).	1
Total Amendments Read	5 N	37-41	C	A value representing the total number of amendments read on a single transmission.	1

CUSTOMS PROPRIETARY TRANSPORTATION FORMATS

Message Acceptance (W02) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Total G01/H01 Records Input	5 N	42-46	C	A value representing the total number of G01 or H01 status records read on a single transmission.	1
Total Bills Rejected	5 N	47-51	C	A value representing the total number of bills that were rejected for a single transmission.	1
Total Bills Accepted	5 N	52-56	C	A value representing the total number of bills that were accepted for a single transmission.	1
Total Export Transaction Data Read	5 N	57-61	C	A value representing the total number of Export Transaction Data read on a single transmission.	2
Total Export Transaction Data Rejected	5 N	62-66	C	A value representing the total number of Export Transaction Data that was rejected for a single transmission.	2
Total Export Transaction Data Accepted	5 N	67-71	C	A value representing the total number of Export Transaction Data that was accepted for a single transmission.	2
Total Records Read	5 N	72-76	M	A value representing the total number of records read on a single transmission.	
Filler	4 AN	77-80	M	Space fill.	

Record W02 Notes:

1. Zeros or spaces will be found in this position if a record is formatted for transmission to a shipper/exporter, a freight forwarder, a Customs broker, or other entities not authorized to file manifest data electronically with Customs.

2. Zeros or spaces might be found in this position if a record is formatted for transmission to a party NOT filing Export Transaction Data electronically to Customs (i.e., a carrier, port authority or service center).

CUSTOMS PROPRIETARY TRANSPORTATION FORMATS

Export Manifest Error Response Record Data Set

If AES edits identify an error in the translation of the data or an error in a core pre-departure data element, a fatal error message results and transportation data processing ceases.

Core post departure data elements in error will generate a warning message, which requires the participant to respond up to the fourth day after departure of the merchandise.

 Many Census parameters will issue informational responses indicating that the information transmitted is unlikely to be true.

 For a list of common errors, refer to the Common Errors, Appendix A of the AESTIR document.

Export Manifest Error Response Record Data Set

```
        Transaction Control Header ............................................................................ ACR
                Manifest .................................................................................... M01
                Port........................................................................................... P01
                Issuer ...................................................................................... J01
                Bill............................................................................................ B01
                Shipment Number.................................................................... B02
                Error ....................................................................................... W01
                Summary ................................................................................ W02
        Transaction Control Trailer ........................................................................... ZCR
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CUSTOMS PROPRIETARY TRANSPORTATION FORMATS

Error (W01) Record
This record is generated for each data element or field that is in error.

Error (W01) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Data Identifier	3 AN	1-3	M	Must always equal W01.	
Control Number	30 X	4-33	M	A number representing the Booking, Bill of lading, or House Bill Number. This data field does not contain the issuer code as it is contained in the preceding J01 record. Must use qualifier field with this field.	
Qualifier	2 AN	34-35	M	MB = Master Booking Number HB = House Booking Number B = House Bill of Lading Number SH = XTN (Commodity Record Control Number)	
U.S. Customs Port	4 AN	36-39	M	A code representing the U.S. Customs Port of lading/unlading. See Appendix D, Schedule D.	
Error Message	40 X	40-79	M	A narrative explaining the error.	
Filler	1 AN	80	M	Space fill.	

CUSTOMS PROPRIETARY TRANSPORTATION FORMATS

Message Acceptance (W02) Record

This mandatory record is the cumulative result of an import or export data transmission.

Message Acceptance (W02) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Data Identifier	3 AN	1-3	M	Must always equal W02.	
Carrier Code	4 AN	4-7	M	A code representing the exporting carrier. This is the Standard Carrier Alpha Code (SCAC) issued by the National Motor Freight Traffic Association Inc., 2200 Mill Road, Alexandria, VA 22310. For water carriers who own their containers, the SCAC is issued by the Intermodal Transportation Association, 6410 Kenilworth Ave., Suite 108, Riverdale, MD 20737.	
Date of Transmission	8 N	8-15	M	A date in YYYYMMDD format representing the date that the original transmission to Customs was processed. In most cases the date of processing and the date of transmission will be the same.	
Time of Transmission	6 N	16-21	M	A time in the HHMMSS format representing the time that the original transmission to Customs was processed.	
Total Manifests Read	2 N	22-23	C	A value representing the total number of manifests read on a single transmission.	1
Total Ports Read	3 N	24-26	M	A value representing the total number of ports read on a single transmission.	
Total Bills Read	5 N	27-31	C	A value representing the total number of bills read on a single transmission.	1
Total House Bills Read	5 N	32-36	C	A value representing the total number of house-bills read on a single transmission (future).	1
Total Amendments Read	5 N	37-41	C	A value representing the total number of amendments read on a single transmission.	1

CUSTOMS PROPRIETARY TRANSPORTATION FORMATS

Message Acceptance (W02) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Total G01/H01 Records Input	5 N	42-46	C	A value representing the total number of G01 or H01 status records read on a single transmission.	1
Total Bills Rejected	5 N	47-51	C	A value representing the total number of bills that were rejected for a single transmission.	1
Total Bills Accepted	5 N	52-56	C	A value representing the total number of bills that were accepted for a single transmission.	1
Total Export Transaction Data Read	5 N	57-61	C	A value representing the total number of Export Transaction Data read on a single transmission.	2
Total Export Transaction Data Rejected	5 N	62-66	C	A value representing the total number of Export Transaction Data that was rejected for a single transmission.	2
Total Export Transaction Data Accepted	5 N	67-71	C	A value representing the total number of Export Transaction Data that was accepted for a single transmission.	2
Total Records Read	5 N	72-76	M	A value representing the total number of records read on a single transmission.	
Filler	4 AN	77-80	M	Space fill.	

Record W02 Notes:
1. Zeros or spaces will be found in this position if a record is formatted for transmission to a
shipper/exporter, a freight forwarder, a Customs broker, or other entities not authorized to file manifest
data electronically with Customs

2. .Zeros or spaces might be found in this position if a record is formatted for transmission to a party NOT
filing Export Transaction Data electronically to Customs (i.e., a carrier, port authority
center).

CUSTOMS PROPRIETARY TRANSPORTATION FORMATS

Output from Customs

Manifest Status Notification Record Data Set

Transaction Control Header .... ACR	
Manifest M01	
Notification Header R01	
Issuer J01	
Notification Info R02	
Remarks R03	
Transaction Control Trailer .... ZCR	

CUSTOMS PROPRIETARY TRANSPORTATION FORMATS

Bill of Lading Status Notification (R01) Record

This mandatory record contains the necessary header data to identify the manifest for which the status information is being transmitted.

Bill of Lading Status Notification (R01) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Data Identifier	3 AN	1-3	M	Must always equal R01.	
Carrier Code	4 AN	4-7	M	A code representing the exporting carrier. This is the Standard Carrier Alpha Code (SCAC) issued by the National Motor Freight Traffic Association Inc., 2200 Mill Road, Alexandria, VA 22310. For water carriers who own their containers, the SCAC is issued by the Intermodal Transportation Association, 6410 Kenilworth Ave., Suite 108, Riverdale, MD 20737.	
U.S. Customs Port	4 N	8-11	M	A code representing the U.S. Customs Port of lading/unlading. See Appendix D, Schedule D.	
Estimated Date of Departure	8 N	12-19	M	A date in the MMDDYYYY format representing the original scheduled date of departure this port.	
Vessel Name	23 X	20-42	C	Mandatory for export manifest notifications. Name of the exporting vessel as documented in *"Lloyd's Register of Ships."*	
Voyage Number	5 X	43-47	C	Mandatory for export manifest notifications.	
Manifest Sequence Number	6 N	48-53	M	A code representing the manifest sequence number. This number is optional, carrier-assigned sequence number. The default is one (1). It may be a date. *Once transmitted, it cannot be changed.* All subsequent transmissions for the manifest must use the original manifest sequence number.	
Filler	27 AN	54-80	M	Space fill.	

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CUSTOMS PROPRIETARY TRANSPORTATION FORMATS

Bill of Lading Status Notification (R02) Record

This mandatory record contains the notification information relating to a particular bill of lading.
This record can be repeated as many times as necessary.

Bill of Lading Status Notification (R02) Record					
Data Element	Length / Class	Posi-tion	Status	Description	Note
Data Identifier	3 AN	1-3	M	Must always equal R02.	
Bill of Lading Sequence Number	12 X	4-15	C	A code representing the bill of lading sequence number. This data field does not contain the issuer code as it is contained in the preceding J01 record.	
Control Number	30 X	16-45	C	A code representing the Booking or house control number. This data field does not contain the issuer code as it is contained in the preceding J01 record.	
Qualifiers	1-2 AN	46-47	C	MB = Master Booking Number HB = House Booking Number B = House Bill of Lading Number SH = XTN (Commodity control Number)	
Disposition Code	2 AN	48-49	M	The code advising the exporter, or his agent, about the posting action taken on an Export Transaction Data. The first character identifies the posting agency and the second identifies the transaction. 1C = Customs Hold has been cleared/removed. 1H = Customs Hold Placed against shipment 1S = Redelivery ordered by Customs 1T = Seizes by Customs	
Action Date	8 N	50-57	M	The date, in the YYYYMMDD format, on which the action was authorized by Customs or another Federal agency or representing the date that the action was scheduled to occur.	
Action Time	4 N	58-61	M	The time, in the HHMM format for a 24-hour clock, at which the release (or other bill posting action) was authorized.	
Filler	19 AN	62-80	M	Space fill.	

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CUSTOMS PROPRIETARY TRANSPORTATION FORMATS

Bill of Lading Status Notification (R03) Record

This optional record contains remarks relating to the posting of a bill of lading.

Bill of Lading Status Notification (R03) Record					
Data Element	Length/ Class	Posi- tion	Status	Description	Note
Data Identifier	3 AN	1-3	M	Must always equal R03.	
Remarks	60 X	4-63	M	Remarks that allow Customs or the Federal agency placing the hold on a bill of lading to give the reason for the hold. It may also contain hold quantities or other information.	
Filler	17 AN	64-80	M	Space fill.	